

## ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	The quantity having dimension of $ML^2T^{-2}$ will earth is:	A. 80 sec B. 500 sec C. $1.802 \times 10^{24}$ sec D. Aerophysics
2	Uncertainty is of following type/types:	A. Absolute B. Fractional C. Percentage D. All of these
3	Total number of base units are	A. Three B. Five C. Seven D. Nine
4	Which one is the least multiple:	A. Pico B. Femto C. Nano D. Atto
5	Branch of physics which deals with the study of stars and galaxies is called:	A. Solid state physics B. Astrophysics C. Molecular physics D. Chemical physics
6	High energy physics is branch of physics, which deals with:	A. Stars and galaxies B. Sub-atomic particles C. Light and sound D. Molecules
7	Relativistic mechanics is a branch of physics, which deal with the bodies moving with velocities:	A. More than c B. Approaching c C. Equal to c D. Much less than x
8	For multiplication and division purposes, percentage uncertainties are:	A. Add B. subtracted C. Multiplied D. Divided
9	Physics details with the study of:	A. Matter B. Energy C. Both of them D. Human body
10	A dimension stands for the _____ nature of certain physical quantity.	A. super B. Quantitative C. Qualitative D. Both B and C
11	For addition and subtraction purposes, absolute uncertainties are:	A. Added B. Subtracted C. Multiplied D. Divided
12	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
13	Addition of 2.189 kg, 0.089 kg, 11.8 kg, and 5.32 kg gives the rounded off answer as:	A. 19.398 B. 19.400 C. 19.4 D. 19.3
14	Physical quantities are often divided into _____ categories	A. 3 B. 2 C. 9 D. 5
15	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand

16	The instrument used to gather information from the far side of the universe is	A. Compound microscope B. Radio telescope C. Astronomical Telescope D. Simple microscope
17	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
18	$1 \text{ gm-cm}^{-3}$ is equal to:	A. $10^3 \text{ kg-m}^{-3}$ B. $10^{-3} \text{ kg-m}^{-3}$ C. $1 \text{ kg-m}^{-3}$ D. $10^6 \text{ kg-m}^{-1}$
19	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
20	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics